



Developments in the Study of Peptide or Protein Interactions with Model BioMembrane Systems

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Cell membranes are complex bilayer assemblies that perform the contradictory functions of separating the internal constituents of the cell from the cytoplasm, while also enabling the transfer of molecules across the membrane to perform functions essential to life. The major constituents of cell membranes are phospholipids, sterols and proteins. Even this is a very reductionist view, with many variations in size, shape, charge and function being possible within this group of compounds. The simplest model employed consists of a single phospholipid assembled, in some manner, into a bilayer system. There have been significant advancements in the development of more complex model membrane systems, some from the perspective of combining individual components and others from the perspective of reconstituting membrane extracts into a solution for study or deposition onto a surface.

This Special Issue will highlight advances in both the development of more complex realistic model systems, their structural study, and research that probes the mechanism of interaction of drugs, peptides or proteins that target the cell membrane.





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Message from the Editor-in-Chief

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